



Trans-Lake Washington Project

High-Capacity Transit Alternatives

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Washington State
Department of Transportation



Trans-Lake Washington Project

Background Assumptions

- No-build
 - No changes to current operation of I-90
- Build alternatives
 - 2-way HOV operations on I-90
 - Increases the effectiveness and reliability of all Trans-Lake transit alternatives because all include I-90 bus service



HCT Technology

- Bus rapid transit
 - Examining two service alternatives
 - Radial service on Eastside with downtown Seattle intercepts at light rail stations
 - Trunk/feeder service on Eastside with direct routing through downtown Seattle
- Fixed-guideway
 - On-going Alternative Transit Technology Assessment will identify candidate technologies for Translake



HCT in the 520 Corridor

- Busway facility
 - Eastside
 - Redmond terminus
 - Busway extensions to downtown Bellevue and Kirkland/Totem Lake via BNSF right-of-way
 - Seattle
 - University District terminus *OR*
 - Westlake Station area terminus via South Lake Union



HCT in 520 Corridor

- Fixed guideway facility
 - Eastside connections to Bellevue, Kirkland, Redmond
 - All service through Bellevue *OR*
 - Direct service to Redmond with branches to Bellevue and Kirkland
 - Seattle connections
 - Service through University District to Westlake Station area via the west side of Lake Union *OR*
 - Remain in 520 corridor to west of Montlake and travel to Westlake Station area via South Lake Union



HCT in I-90 Corridor

- Bus facilities
 - Two-way transit/HOV operation
 - Could be implemented through either conversion of center lanes to two-way HOV operation (R2b) or addition of new HOV lanes to outer roadway (R8)



HCT in I-90 Corridor

- Fixed-guideway facility
 - Eastside connections to Bellevue, Kirkland, and Redmond
 - Bellevue CBD via S. Bellevue P&R OR
 - Bellevue CBD via Factoria with Issaquah branch
 - Seattle connection
 - Enters downtown Seattle transit tunnel from south of International District station



HCT Mid Lake Corridor

- Fixed guideway facility
 - Eastside connections to Bellevue, Kirkland, Redmond
 - All service through Bellevue
 - Seattle connections with Central Area and downtown
 - Enters downtown Seattle transit tunnel south of International District station